

Survey Questions - Post-Focus Group Session Survey

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1. Please rate your agreement with the following statements about the forum.

Please check ONE box for each statement.

	Strongly Agree	Agree	Neither Agree nor Disagree	Disagree	Strongly Disagree
The information was clearly presented.	✓				
I felt comfortable voicing my opinion.	✓				
I know more about the National Weather Service (NWS) resources.	✓				
I feel I could use NWS resources to judge my risk in an extreme weather event.	✓				

2. What are the biggest barriers you face in using NWS flood forecast and warning products? Some examples to consider are lack of computer or phone, lack of internet access, language barriers, NWS products too difficult to understand, or other factors.

more standardized terms & colors
and access

3. Our goal today was to gather feedback to improve NWS flood forecast and warning tools. Beyond the questions asked today, what else would be important to know about how you gather/would use NWS information about extreme weather risks and your intended actions?

4. After attending today's session, how likely are you to:

Please check ONE box for each statement.

	Very Likely	Somewhat Likely	Neither likely nor unlikely	Somewhat Unlikely	Unlikely
Create or revise plans to deal with extreme weather events using NWS products.	✓				
Share what I learned about NWS products today with others.	✓				
Seek NWS information about extreme weather risks.	✓				
Use NWS products and information in your decision-making	✓				

5. Do you prefer text-based or graphical/visual NWS products in trying to understand your level of risk from flooding? Circle one.


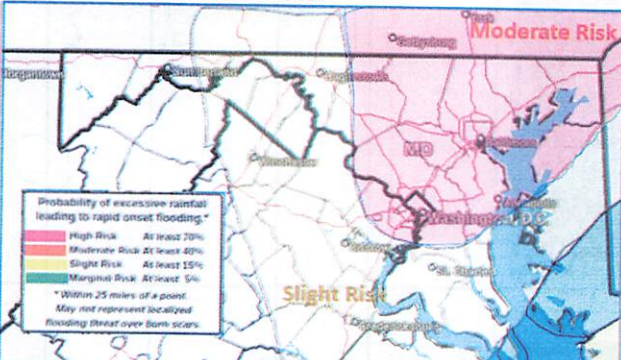

Text



Graphics

Combined text and graphics

Please explain. _____

6. Please rate the weather products discussed today based on their usefulness to you in assessing your flood situation.

	Extremely useful	Very useful	Moderately useful	Slightly useful	Not at all useful
<p>Threat Overview</p>  <p>Flash Flooding & Isolated Damaging Wind Gusts</p> <ul style="list-style-type: none"> Strong, slow-moving thunderstorms likely will cause scattered instances flooding or flash flooding in Maryland later today between 2-11pm. <ul style="list-style-type: none"> Exact locations won't be known until storms form and any needed warnings are issued, but some spots could see significant flash flooding. Rainfall rates under the stronger storms will likely reach 3-4" in an hour. <ul style="list-style-type: none"> That would be more than enough to cause Flash Flooding, especially if it hit the urban area or flash flood prone communities. Isolated damaging wind gusts of 60 mph are also possible between 3-8pm. 	✓				
<p>Excessive Rainfall Outlook</p>  <p>Probability of excessive rainfall leading to rapid onset flooding:</p> <ul style="list-style-type: none"> High Risk At least 20% Moderate Risk At least 40% Slight Risk At least 15% Marginal Risk At least 5% <p>* Within 25 miles of a point May not represent localized flooding threat over both states.</p>	✓				
<p>Most-likely Rainfall</p>  <p>Weather Service Office Baltimore/Washington Issued: Sep 10, 2022 10:19 AM EDT</p>			✓		

	Extremely useful	Very useful	Moderately useful	Slightly useful	Not at all useful
<p>Flood Watch</p> 			✓		
<p>Flood infographics</p> 		✓			
<p>Threat Summary</p> <p>MD Threat Summary Flash-Flooding & Isolated Damaging Wind Gusts</p> <ul style="list-style-type: none"> • Strong, slow-moving thunderstorms likely will cause scattered instances flooding or flash flooding in Maryland later today between 2-11pm. <ul style="list-style-type: none"> ◦ Exact locations won't be known until storms form and any needed warnings are issued, but some spots could see significant flash flooding. ◦ Rainfall rates under the stronger storms will likely reach 3-4" in an hour. <ul style="list-style-type: none"> ■ That would be more than enough to cause Flash Flooding, especially if it hit the urban area or flash flood prone communities. • Isolated damaging wind gusts of 60 mph are also possible between 3-8pm. • Monitor NWS Watches & Warnings. Be ready to seek higher ground quickly, especially if you are in a flood prone area. 		✓			

7. What changes might you recommend for any of the products shown?

Standard terminology
Standard colors

8. Which media would you use to find NWS information about the risk of flooding near you? Please circle all that apply:

Facebook

Twitter

Internet

Other: _____

9. Which digital platform are you most likely to use to access NWS resources? Circle one.

Smartphone

Tablet

Laptop

Desktop

Other: _____

10. Was anything in the session confusing? Yes

No

If Yes, please explain:

11. What improvements could be made in the format or content of this session?

make more digital products

12. Additional comments:

Thank you for participating!

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1. Please rate your agreement with the following statements about the forum.

Please check ONE box for each statement.

	Strongly Agree	Agree	Neither Agree nor Disagree	Disagree	Strongly Disagree
The information was clearly presented.	X				
I felt comfortable voicing my opinion.	X				
I know more about the National Weather Service (NWS) resources.		X			
I feel I could use NWS resources to judge my risk in an extreme weather event.	X				

2. What are the biggest barriers you face in using NWS flood forecast and warning products? Some examples to consider are lack of computer or phone, lack of internet access, language barriers, NWS products too difficult to understand, or other factors.

I never have barriers None

3. Our goal today was to gather feedback to improve NWS flood forecast and warning tools. Beyond the questions asked today, what else would be important to know about how you gather/would use NWS information about extreme weather risks and your intended actions?

4. After attending today's session, how likely are you to:

Please check ONE box for each statement.

	Very Likely	Somewhat Likely	Neither likely nor unlikely	Somewhat Unlikely	Unlikely
Create or revise plans to deal with extreme weather events using NWS products.					
Share what I learned about NWS products today with others.					
Seek NWS information about extreme weather risks.					
Use NWS products and information in your decision-making					

5. Do you prefer text-based or graphical/visual NWS products in trying to understand your level of risk from flooding? Circle one.


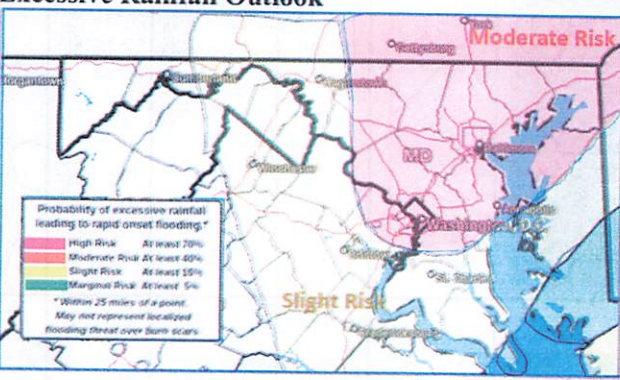

Text



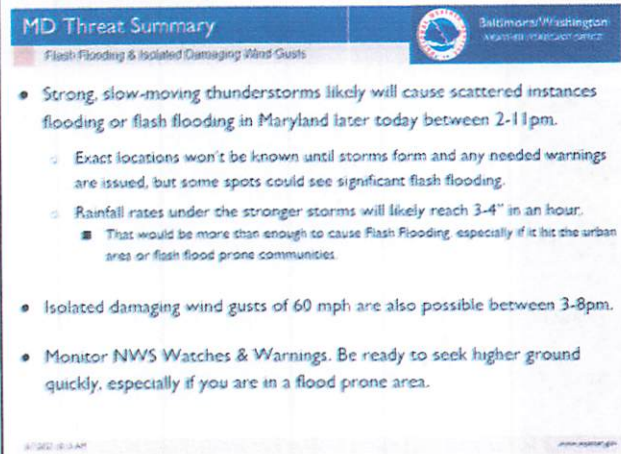
Graphics

Combined text and graphics

Please explain. _____

6. Please rate the weather products discussed today based on their usefulness to you in assessing your flood situation.

	Extremely useful	Very useful	Moderately useful	Slightly useful	Not at all useful
<p>Threat Overview</p>  <ul style="list-style-type: none"> Strong, slow-moving thunderstorms likely will cause scattered instances flooding or flash flooding in Maryland later today between 2-11pm. <ul style="list-style-type: none"> Exact locations won't be known until storms form and any needed warnings are issued, but some spots could see significant flash flooding. Rainfall rates under the stronger storms will likely reach 3-4" in an hour. <ul style="list-style-type: none"> That would be more than enough to cause Flash Flooding, especially if it hit the urban area or flash flood prone communities. Isolated damaging wind gusts of 60 mph are also possible between 3-8pm. 		X			
<p>Excessive Rainfall Outlook</p> 			X		
<p>Most-likely Rainfall</p> 	X				

	Extremely useful	Very useful	Moderately useful	Slightly useful	Not at all useful
<p>Flood Watch</p>  <p>Flood Watch This Afternoon and Evening Hazards Flood Watch Baltimore/Washington Issued Monday, 7/22/24 8:30 AM EDT</p>		X			
<p>Flood infographics</p>  <p>Flash Flood EMERGENCY ISSUED FOR... Exceedingly rare situations when a severe threat to human life and catastrophic damage from a flash flood is happening or will happen soon.</p> <p>Flash Flood WARNING ISSUED WHEN... Dangerous flash flooding is happening or will happen soon. Some roads will be flooded. Homes and businesses may flood.</p>		X			
<p>Threat Summary</p>  <p>MD Threat Summary Flash Flooding & Isolated/Damaging Wind Gusts Baltimore/Washington Weather Information Center</p> <ul style="list-style-type: none"> • Strong, slow-moving thunderstorms likely will cause scattered instances flooding or flash flooding in Maryland later today between 2-11 pm. <ul style="list-style-type: none"> ◦ Exact locations won't be known until storms form and any needed warnings are issued, but some spots could see significant flash flooding. ◦ Rainfall rates under the stronger storms will likely reach 3-4" in an hour. <ul style="list-style-type: none"> ■ That would be more than enough to cause Flash Flooding, especially if it hit the urban areas or flash flood prone communities. • Isolated damaging wind gusts of 60 mph are also possible between 3-8pm. • Monitor NWS Watches & Warnings. Be ready to seek higher ground quickly, especially if you are in a flood prone area. 		X			

7. What changes might you recommend for any of the products shown?

Language and coloration of maps

8. Which media would you use to find NWS information about the risk of flooding near you? Please circle all that apply:

Facebook Twitter Internet Other: _____

9. Which digital platform are you most likely to use to access NWS resources? Circle one.

Smartphone Tablet Laptop Desktop Other: _____

10. Was anything in the session confusing? Yes No

If Yes, please explain:

11. What improvements could be made in the format or content of this session?

Language and coloration

12. Additional comments:

Thank you for participating!

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1. Please rate your agreement with the following statements about the forum.

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	Strongly Agree	Agree	Neither Agree nor Disagree	Disagree	Strongly Disagree
The information was clearly presented.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
I felt comfortable voicing my opinion.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
I know more about the National Weather Service (NWS) resources.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
I feel I could use NWS resources to judge my risk in an extreme weather event.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

2. What are the biggest barriers you face in using NWS flood forecast and warning products? Some examples to consider are lack of computer or phone, lack of internet access, language barriers, NWS products too difficult to understand, or other factors.

language mostly.

3. Our goal today was to gather feedback to improve NWS flood forecast and warning tools. Beyond the questions asked today, what else would be important to know about how you gather/would use NWS information about extreme weather risks and your intended actions?

The difference between Flood warning and flood watch

4. After attending today's session, how likely are you to:

Please check ONE box for each statement.

	Very Likely	Somewhat Likely	Neither likely nor unlikely	Somewhat Unlikely	Unlikely
Create or revise plans to deal with extreme weather events using NWS products.	/				
Share what I learned about NWS products today with others.	/				
Seek NWS information about extreme weather risks.	/				
Use NWS products and information in your decision-making	/				

5. Do you prefer text-based or graphical/visual NWS products in trying to understand your level of risk from flooding? Circle one.

Text



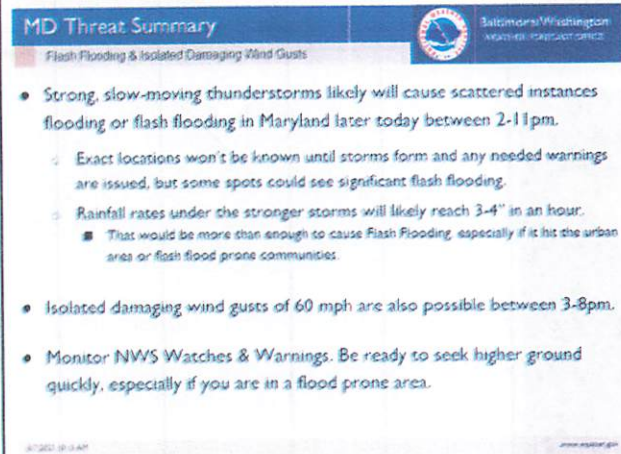
Graphics

Combined text and graphics

Please explain. _____

6. Please rate the weather products discussed today based on their usefulness to you in assessing your flood situation.

	Extremely useful	Very useful	Moderately useful	Slightly useful	Not at all useful
<p>Threat Overview</p> <p>MD Threat Overview Flash Flooding & Isolated Damaging Wind Gusts</p> <ul style="list-style-type: none"> Strong, slow-moving thunderstorms likely will cause scattered instances flooding or flash flooding in Maryland later today between 2-11pm. <ul style="list-style-type: none"> Exact locations won't be known until storms form and any needed warnings are issued, but some spots could see significant flash flooding. Rainfall rates under the stronger storms will likely reach 3-4" in an hour. <ul style="list-style-type: none"> That would be more than enough to cause Flash Flooding, especially if it hit the urban area or flash flood prone communities. Isolated damaging wind gusts of 60 mph are also possible between 3-8pm. 					
<p>Excessive Rainfall Outlook</p> <p>Probability of excessive rainfall leading to rapid onset flooding: High Risk At least 70% Moderate Risk At least 50% Slight Risk At least 15% Marginal Risk At least 5% * Within 25 miles of a point. May not represent localized flooding threat over 80m years.</p>					
<p>Most-likely Rainfall</p> <p>Baltimore/Washington Weather Forecast Office NOAA/NWS/NCEP/ES&P</p>					

	Extremely useful	Very useful	Moderately useful	Slightly useful	Not at all useful
<p>Flood Watch</p>  <p>The image shows a map titled 'Flood Watch' for the Baltimore/Washington area. It indicates hazardous areas in blue, covering parts of Howard, Prince George's, and Anne Arundel counties. The map includes labels for various cities and towns like Elkton, Chestertown, and Pocomoke City.</p>				✓	
<p>Flood infographics</p>  <p>The image contains two side-by-side infographics. The left one is titled 'Flash Flood EMERGENCY' and describes it as an 'ISSUED FOR...' situation where there is a 'severe threat to human life and catastrophic damage'. The right one is titled 'Flash Flood WARNING' and describes it as an 'ISSUED WHEN...' situation where 'dangerous flash flooding is happening or will happen soon'. Both include safety instructions and logos for NOAA and FEMA.</p>		✓			
<p>Threat Summary</p>  <p>The image is a snippet of a document titled 'MD Threat Summary' from the Baltimore/Washington weather impact center. It focuses on 'Flash Flooding & Isolated Damaging Wind Gusts'. The text includes: <ul style="list-style-type: none"> Strong, slow-moving thunderstorms likely will cause scattered instances flooding or flash flooding in Maryland later today between 2-11pm. <ul style="list-style-type: none"> Exact locations won't be known until storms form and any needed warnings are issued, but some spots could see significant flash flooding. Rainfall rates under the stronger storms will likely reach 3-4" in an hour. <ul style="list-style-type: none"> That would be more than enough to cause Flash Flooding, especially if it hit the urban area or flash flood prone communities. Isolated damaging wind gusts of 60 mph are also possible between 3-8pm. Monitor NWS Watches & Warnings. Be ready to seek higher ground quickly, especially if you are in a flood prone area. </p>		✓			

7. What changes might you recommend for any of the products shown?

Please bold the important parts, like numbers
and bolded texts

8. Which media would you use to find NWS information about the risk of flooding near you? Please circle all that apply:

Facebook Twitter Internet Other: _____

9. Which digital platform are you most likely to use to access NWS resources? Circle one.

Smartphone Tablet Laptop Desktop Other: _____

10. Was anything in the session confusing? Yes No

If Yes, please explain:

11. What improvements could be made in the format or content of this session?

no

12. Additional comments:

Excellent facilitator and marketing
focus group crew. Very personable and professional.

Thank you for participating!

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The information was clearly presented.	✓				
I felt comfortable voicing my opinion.	✓				
I know more about the National Weather Service (NWS) resources.	✓				
I feel I could use NWS resources to judge my risk in an extreme weather event.	✓				

2. What are the biggest barriers you face in using NWS flood forecast and warning products? Some examples to consider are lack of computer or phone, lack of internet access, language barriers, NWS products too difficult to understand, or other factors.

Not getting information in a timely fashion

3. Our goal today was to gather feedback to improve NWS flood forecast and warning tools. Beyond the questions asked today, what else would be important to know about how you gather/would use NWS information about extreme weather risks and your intended actions?

What would be important up to find out what information is going to be known

4. After attending today's session, how likely are you to:

Please check ONE box for each statement.

	Very Likely	Somewhat Likely	Neither likely nor unlikely	Somewhat Unlikely	Unlikely
Create or revise plans to deal with extreme weather events using NWS products.			✓		
Share what I learned about NWS products today with others.	✓				
Seek NWS information about extreme weather risks.	✓				
Use NWS products and information in your decision-making	✓				

5. Do you prefer text-based or graphical/visual NWS products in trying to understand your level of risk from flooding? Circle one.

Text


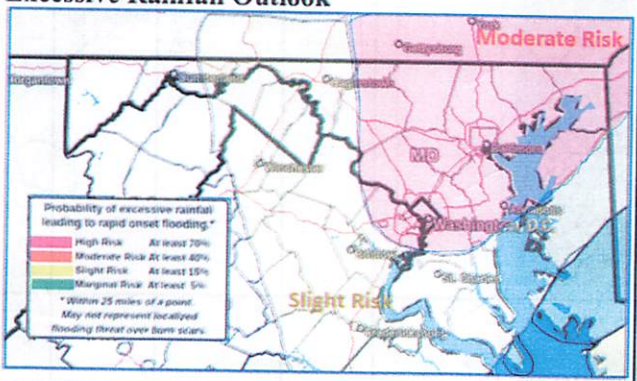

Graphics

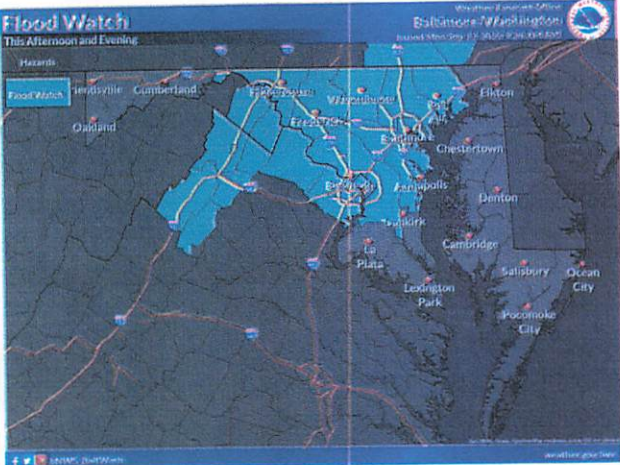

Combined text and graphics

Please explain.

Not sure

6. Please rate the weather products discussed today based on their usefulness to you in assessing your flood situation.

	Extremely useful	Very useful	Moderately useful	Slightly useful	Not at all useful
<p>Threat Overview</p>  <ul style="list-style-type: none"> • Strong, slow-moving thunderstorms likely will cause scattered instances flooding or flash flooding in Maryland later today between 2-11pm. <ul style="list-style-type: none"> ◦ Exact locations won't be known until storms form and any needed warnings are issued, but some spots could see significant flash flooding. ◦ Rainfall rates under the stronger storms will likely reach 3-4" in an hour. <ul style="list-style-type: none"> ■ That would be more than enough to cause Flash Flooding, especially if it hit the urban area or flash flood prone communities. • Isolated damaging wind gusts of 60 mph are also possible between 3-8pm. 		✓			
<p>Excessive Rainfall Outlook</p> 				✓	
<p>Most-likely Rainfall</p> 		✓			

	Extremely useful	Very useful	Moderately useful	Slightly useful	Not at all useful
<p>Flood Watch</p> 			✓		
<p>Flood infographics</p> 			✓		
<p>Threat Summary</p> <p>MD Threat Summary</p> <p>Flash Flooding & Isolated Damaging Wind Gusts</p> <ul style="list-style-type: none"> • Strong, slow-moving thunderstorms likely will cause scattered instances flooding or flash flooding in Maryland later today between 2-11pm. <ul style="list-style-type: none"> ◦ Exact locations won't be known until storms form and any needed warnings are issued, but some spots could see significant flash flooding. ◦ Rainfall rates under the stronger storms will likely reach 3-4" in an hour. <ul style="list-style-type: none"> ■ That would be more than enough to cause Flash Flooding, especially if it hit the urban area or flash flood prone communities. • Isolated damaging wind gusts of 60 mph are also possible between 3-8pm. • Monitor NWS Watches & Warnings. Be ready to seek higher ground quickly, especially if you are in a flood prone area. 	✓				

7. What changes might you recommend for any of the products shown?

Some of the colors and
the words.

8. Which media would you use to find NWS information about the risk of flooding near you? Please circle all that apply:

Facebook

Twitter

Internet

Other: phone alert

9. Which digital platform are you most likely to use to access NWS resources? Circle one.

Smartphone

Tablet

Laptop

Desktop

Other: _____

10. Was anything in the session confusing? Yes No

If Yes, please explain:

11. What improvements could be made in the format or content of this session?

A short series

12. Additional comments:

Thanks for this session it was great.

Thank you for participating!

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The information was clearly presented.		✓			
I felt comfortable voicing my opinion.		✓			
I know more about the National Weather Service (NWS) resources.		✓			
I feel I could use NWS resources to judge my risk in an extreme weather event.		✓			

2. What are the biggest barriers you face in using NWS flood forecast and warning products? Some examples to consider are lack of computer or phone, lack of internet access, language barriers, NWS products too difficult to understand, or other factors.

slow response by the powers that be.

3. Our goal today was to gather feedback to improve NWS flood forecast and warning tools. Beyond the questions asked today, what else would be important to know about how you gather/would use NWS information about extreme weather risks and your intended actions?

4. After attending today's session, how likely are you to:

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	Very Likely	Somewhat Likely	Neither likely nor unlikely	Somewhat Unlikely	Unlikely
Create or revise plans to deal with extreme weather events using NWS products.	✓				
Share what I learned about NWS products today with others.	✓				
Seek NWS information about extreme weather risks.	✓				
Use NWS products and information in your decision-making	✓				

5. Do you prefer text-based or graphical/visual NWS products in trying to understand your level of risk from flooding? Circle one.

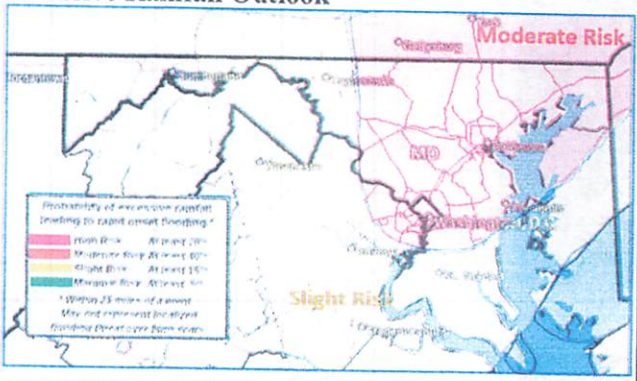
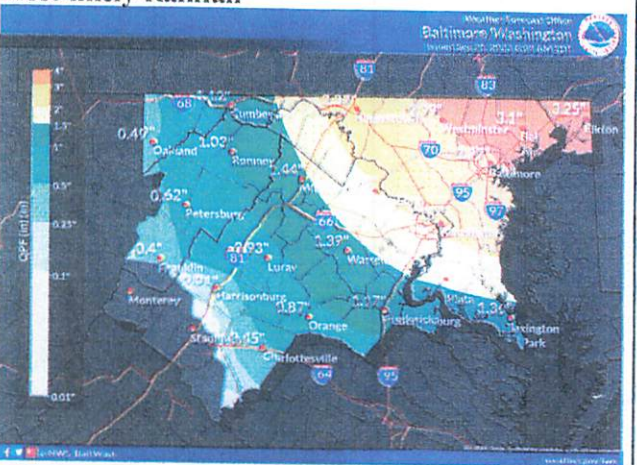
Text

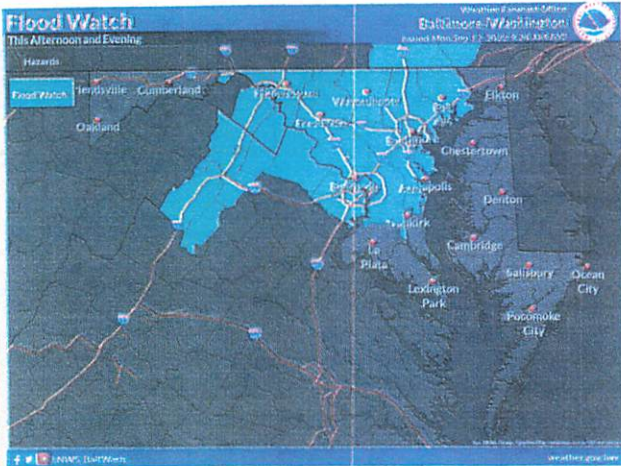
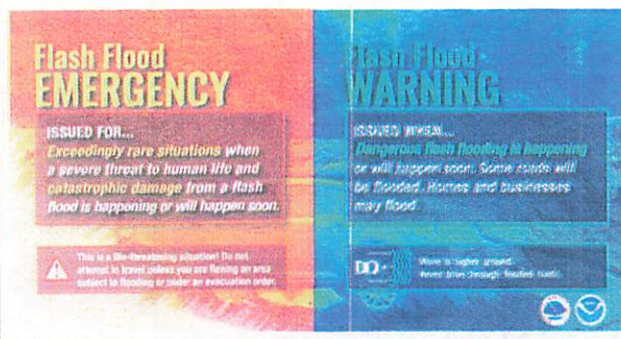
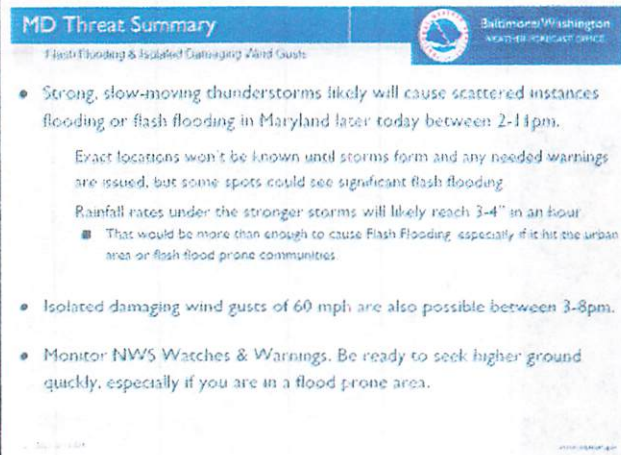
Graphics

Combined text and graphics

Please explain. _____

6. Please rate the weather products discussed today based on their usefulness to you in assessing your flood situation.

	Extremely useful	Very useful	Moderately useful	Slightly useful	Not at all useful
<p>Threat Overview</p> <p>MD Threat Overview Flash Flooding & Isolated Damaging Wind Gusts</p> <p>Baltimore/Washington WEATHER FORECAST OFFICE</p> <ul style="list-style-type: none"> Strong, slow-moving thunderstorms likely will cause scattered instances flooding or flash flooding in Maryland later today between 2-11 pm. <ul style="list-style-type: none"> Exact locations won't be known until storms form and any needed warnings are issued, but some spots could see significant flash flooding. Rainfall rates under the stronger storms will likely reach 3-4" in an hour. <ul style="list-style-type: none"> This would be more than enough to cause flash flooding, especially if it hit the urban area or flash flood prone communities Isolated damaging wind gusts of 60 mph are also possible between 3-8pm. 	✓				
<p>Excessive Rainfall Outlook</p>  <p>Probability of excessive rainfall leading to rapid onset flooding:</p> <ul style="list-style-type: none"> High Risk At least 20% Moderate Risk At least 60% Slight Risk At least 10% Minimal Risk At least 5% <p>Within 24 hours of onset. May not represent the upper bounding limit of 24-hour totals.</p>	✓				
<p>Most-likely Rainfall</p>  <p>Baltimore/Washington WEATHER FORECAST OFFICE Tuesday, September 20, 2023 6:01 AM EDT</p>	✓				

	Extremely useful	Very useful	Moderately useful	Slightly useful	Not at all useful
<p>Flood Watch</p> 		✓			
<p>Flood infographics</p> 		✓			
<p>Threat Summary</p> 		✓			

7. What changes might you recommend for any of the products shown?

Disseminate info faster

8. Which media would you use to find NWS information about the risk of flooding near you? Please circle all that apply:

Facebook

Twitter

Internet

Other: _____

9. Which digital platform are you most likely to use to access NWS resources? Circle one.

Smartphone

Tablet

Laptop

Desktop

Other: _____

10. Was anything in the session confusing? Yes No

If Yes, please explain:

11. What improvements could be made in the format or content of this session?

Get the community more involved

12. Additional comments:

Thank you for participating!

Survey Questions - Post-Focus Group Session Survey

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1. Please rate your agreement with the following statements about the forum.

Please check ONE box for each statement.

	Strongly Agree	Agree	Neither Agree nor Disagree	Disagree	Strongly Disagree
The information was clearly presented.	✓				
I felt comfortable voicing my opinion.	✓				
I know more about the National Weather Service (NWS) resources.	✓				
I feel I could use NWS resources to judge my risk in an extreme weather event.		✓			

2. What are the biggest barriers you face in using NWS flood forecast and warning products? Some examples to consider are lack of computer or phone, lack of internet access, language barriers, NWS products too difficult to understand, or other factors.

standardized info

3. Our goal today was to gather feedback to improve NWS flood forecast and warning tools. Beyond the questions asked today, what else would be important to know about how you gather/would use NWS information about extreme weather risks and your intended actions?

4. After attending today's session, how likely are you to:

Please check ONE box for each statement.

	Very Likely	Somewhat Likely	Neither likely nor unlikely	Somewhat Unlikely	Unlikely
Create or revise plans to deal with extreme weather events using NWS products.	✓				
Share what I learned about NWS products today with others.		✓			
Seek NWS information about extreme weather risks.		✓			
Use NWS products and information in your decision-making		✓			

5. Do you prefer text-based or graphical/visual NWS products in trying to understand your level of risk from flooding? Circle one.

Text

Graphics

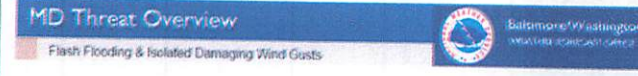
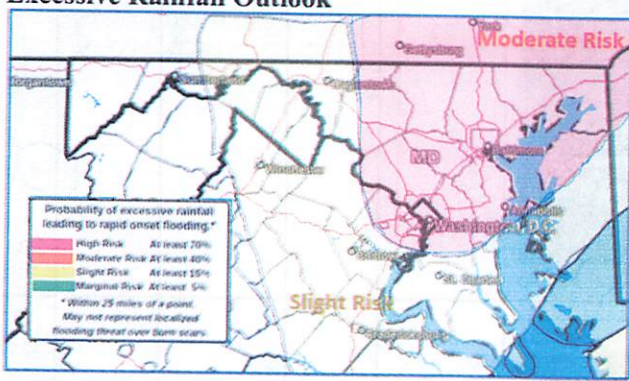
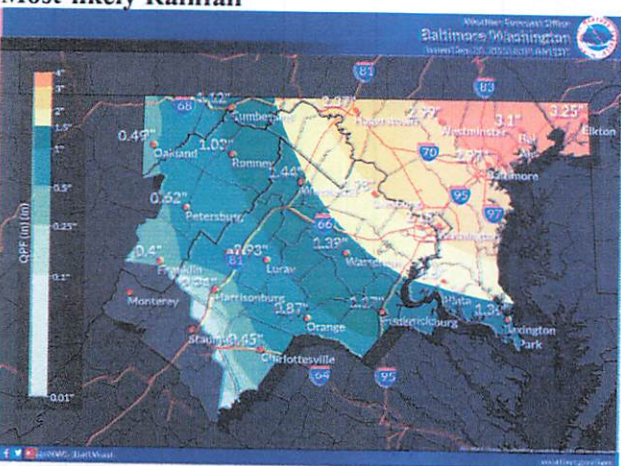
Combined text and graphics



Please explain.

Some big picture stuff is good for graphics But some details need to be in language

6. Please rate the weather products discussed today based on their usefulness to you in assessing your flood situation.

with the comments & suggestion

	Extremely useful	Very useful	Moderately useful	Slightly useful	Not at all useful
<p>Threat Overview</p>  <ul style="list-style-type: none"> Strong, slow-moving thunderstorms likely will cause scattered instances flooding or flash flooding in Maryland later today between 2-11pm. <ul style="list-style-type: none"> Exact locations won't be known until storms form and any needed warnings are issued, but some spots could see significant flash flooding. Rainfall rates under the stronger storms will likely reach 3-4" in an hour. <ul style="list-style-type: none"> That would be more than enough to cause Flash Flooding, especially if it hit the urban area or flash flood prone communities. Isolated damaging wind gusts of 60 mph are also possible between 3-8pm. 	✓				
<p>Excessive Rainfall Outlook</p> 	✓				
<p>Most-likely Rainfall</p> 	✓				

	Extremely useful	Very useful	Moderately useful	Slightly useful	Not at all useful
<p>Flood Watch</p> 					
<p>Flood infographics</p> 					
<p>Threat Summary</p> <p>MD Threat Summary</p> <p>Flash Flooding & Isolated Damaging Wind Gusts</p> <ul style="list-style-type: none"> • Strong, slow-moving thunderstorms likely will cause scattered instances flooding or flash flooding in Maryland later today between 2-11 pm. <ul style="list-style-type: none"> ◦ Exact locations won't be known until storms form and any needed warnings are issued, but some spots could see significant flash flooding. ◦ Rainfall rates under the stronger storms will likely reach 3-4" in an hour. <ul style="list-style-type: none"> ■ That would be more than enough to cause Flash Flooding, especially if it hit the urban area or flash flood prone communities. • Isolated damaging wind gusts of 60 mph are also possible between 3-8pm. • Monitor NWS Watches & Warnings. Be ready to seek higher ground quickly, especially if you are in a flood prone area. 					

with comments
 &
 suggestions⁴

7. What changes might you recommend for any of the products shown?

8. Which media would you use to find NWS information about the risk of flooding near you? Please circle all that apply:

Facebook

Twitter

Internet

Other: _____

9. Which digital platform are you most likely to use to access NWS resources? Circle one.

Smartphone

Tablet

Laptop

Desktop

Other: _____

10. Was anything in the session confusing? Yes No

If Yes, please explain:

11. What improvements could be made in the format or content of this session?

12. Additional comments:

Thank you for participating!

D... .. YES

Survey Questions - Post-Focus Group Session Survey

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I felt comfortable voicing my opinion.	✓				
I know more about the National Weather Service (NWS) resources.	✓				
I feel I could use NWS resources to judge my risk in an extreme weather event.	✓				

2. What are the biggest barriers you face in using NWS flood forecast and warning products? Some examples to consider are lack of computer or phone, lack of internet access, language barriers, NWS products too difficult to understand, or other factors.

All information and the facilitators was excellent.

3. Our goal today was to gather feedback to improve NWS flood forecast and warning tools. Beyond the questions asked today, what else would be important to know about how you gather/would use NWS information about extreme weather risks and your intended actions?

More clear & concise information to our targeted area.

4. After attending today's session, how likely are you to:

Please check ONE box for each statement.

	Very Likely	Somewhat Likely	Neither likely nor unlikely	Somewhat Unlikely	Unlikely
Create or revise plans to deal with extreme weather events using NWS products.		<input checked="" type="checkbox"/>			
Share what I learned about NWS products today with others.		<input checked="" type="checkbox"/>			
Seek NWS information about extreme weather risks.		<input checked="" type="checkbox"/>			
Use NWS products and information in your decision-making		<input checked="" type="checkbox"/>			

5. Do you prefer text-based or graphical/visual NWS products in trying to understand your level of risk from flooding? Circle one.


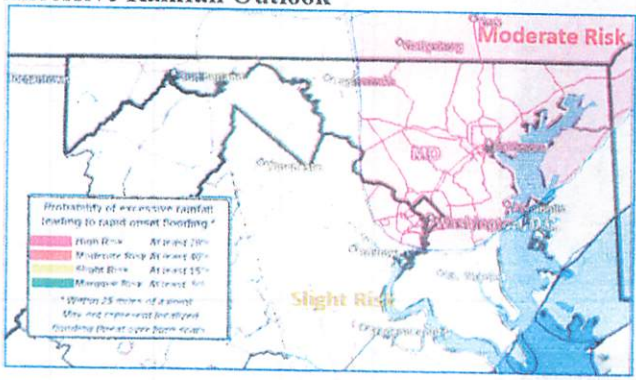
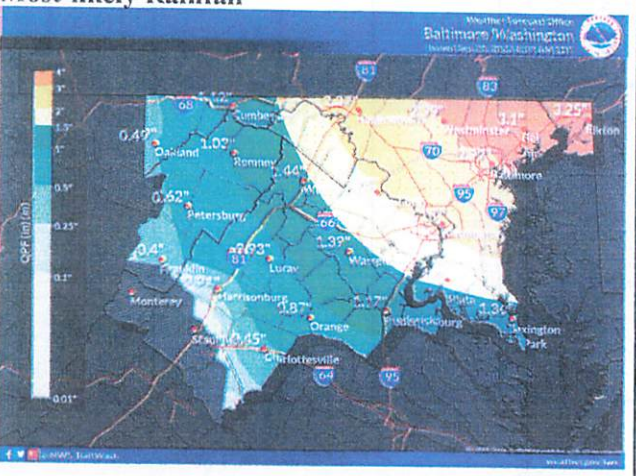
Text



Graphics

Combined text and graphics

Please explain. _____

6. Please rate the weather products discussed today based on their usefulness to you in assessing your flood situation.

	Extremely useful	Very useful	Moderately useful	Slightly useful	Not at all useful
<p>Threat Overview</p> <p>MD Threat Overview</p> <p>Flash Flooding & Isolated Damaging Wind Gusts</p>  <p>Baltimore/Washington <small>WIS/STL/ROK/DC/MD/OK/DC</small></p> <ul style="list-style-type: none"> Strong, slow-moving thunderstorms likely will cause scattered instances of flooding or flash flooding in Maryland later today between 2-11 pm. <ul style="list-style-type: none"> Exact locations won't be known until storms form and any needed warnings are issued, but some spots could see significant flash flooding. Rainfall rates under the stronger storms will likely reach 3-4" in an hour. <ul style="list-style-type: none"> This would be more than enough to cause Flash Flooding, especially if it hits the urban area or flash flood prone communities. Isolated damaging wind gusts of 60 mph are also possible between 3-8pm. 			✓		
<p>Excessive Rainfall Outlook</p> 		✓			
<p>Most-likely Rainfall</p> 		✓			

	Extremely useful	Very useful	Moderately useful	Slightly useful	Not at all useful
<p>Flood Watch</p> 		✓			
<p>Flood infographics</p> 		✓			
<p>Threat Summary</p> <p>MD Threat Summary Flash Flooding & Isolated Damaging Wind Gusts</p> <ul style="list-style-type: none"> • Strong, slow-moving thunderstorms likely will cause scattered instances flooding or flash flooding in Maryland later today between 2-11 pm. <ul style="list-style-type: none"> Exact locations won't be known until storms form and any needed warnings are issued, but some spots could see significant flash flooding. Rainfall rates under the stronger storms will likely reach 3-4" in an hour. <ul style="list-style-type: none"> ■ That would be more than enough to cause Flash Flooding, especially if it hit the urban area or flash flood prone communities. • Isolated damaging wind gusts of 60 mph are also possible between 3-8pm. • Monitor NWS Watches & Warnings. Be ready to seek higher ground quickly, especially if you are in a flood prone area. 		✓			

7. What changes might you recommend for any of the products shown?

More color clarity

8. Which media would you use to find NWS information about the risk of flooding near you? Please circle all that apply:

Facebook

Twitter

Internet

Other: cell phone

9. Which digital platform are you most likely to use to access NWS resources? Circle one.

Smartphone

Tablet

Laptop

Desktop

Other: i phone

10. Was anything in the session confusing? Yes

No

If Yes, please explain:

11. What improvements could be made in the format or content of this session?

None

12. Additional comments:

Great experience

Thank you for participating!

Survey Questions - Post-Focus Group Session Survey

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1. Please rate your agreement with the following statements about the forum.

Please check ONE box for each statement.

	Strongly Agree	Agree	Neither Agree nor Disagree	Disagree	Strongly Disagree
The information was clearly presented.	e				
I felt comfortable voicing my opinion.	e				
I know more about the National Weather Service (NWS) resources.	e				
I feel I could use NWS resources to judge my risk in an extreme weather event.		e			

2. What are the biggest barriers you face in using NWS flood forecast and warning products? Some examples to consider are lack of computer or phone, lack of internet access, language barriers, NWS products too difficult to understand, or other factors.

Clear colors red = ^{severe} danger orange = moderate
 etc.

3. Our goal today was to gather feedback to improve NWS flood forecast and warning tools. Beyond the questions asked today, what else would be important to know about how you gather/would use NWS information about extreme weather risks and your intended actions?

not really sure

4. After attending today's session, how likely are you to:

Please check ONE box for each statement.

	Very Likely	Somewhat Likely	Neither likely nor unlikely	Somewhat Unlikely	Unlikely
Create or revise plans to deal with extreme weather events using NWS products.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Share what I learned about NWS products today with others.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Seek NWS information about extreme weather risks.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Use NWS products and information in your decision-making	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

5. Do you prefer text-based or graphical/visual NWS products in trying to understand your level of risk from flooding? Circle one.

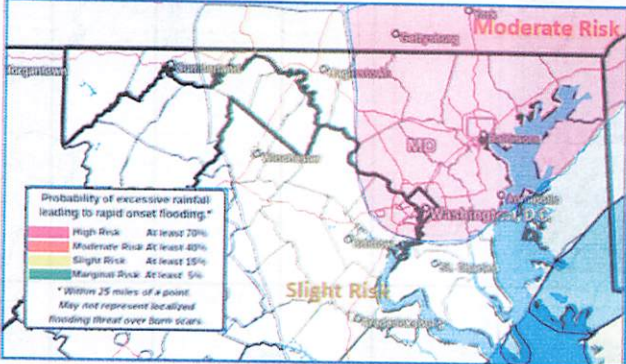
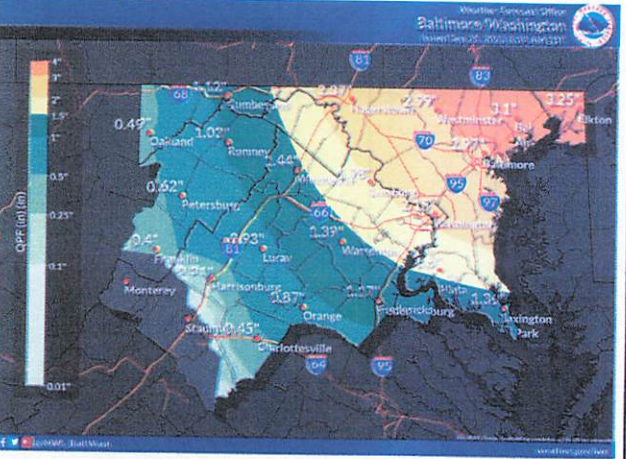
Text

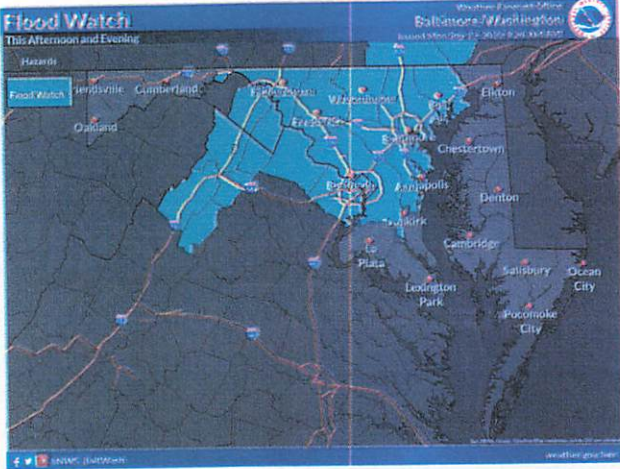

Graphics

Combined text and graphics

Please explain. *both give me something to compare too.*

6. Please rate the weather products discussed today based on their usefulness to you in assessing your flood situation.

	Extremely useful	Very useful	Moderately useful	Slightly useful	Not at all useful
<p>Threat Overview</p> <p>MD Threat Overview Flash Flooding & Isolated Damaging Wind Gusts</p> <p>Baltimore/Washington WEA HRR FORECAST CENTER</p> <ul style="list-style-type: none"> Strong, slow-moving thunderstorms likely will cause scattered instances flooding or flash flooding in Maryland later today between 2-11pm. <ul style="list-style-type: none"> Exact locations won't be known until storms form and any needed warnings are issued, but some spots could see significant flash flooding. Rainfall rates under the stronger storms will likely reach 3-4" in an hour. <ul style="list-style-type: none"> That would be more than enough to cause Flash Flooding, especially if it hit the urban area or flash flood prone communities. Isolated damaging wind gusts of 60 mph are also possible between 3-8pm. 		e			
<p>Excessive Rainfall Outlook</p>  <p>Probability of excessive rainfall leading to rapid onset flooding.*</p> <ul style="list-style-type: none"> High Risk At least 70% Moderate Risk At least 40% Slight Risk At least 15% Marginal Risk At least 5% <p>* Within 25 miles of a point May not represent localized flooding threat over burn scars.</p>				e	
<p>Most-likely Rainfall</p>  <p>Baltimore/Washington WEA HRR FORECAST CENTER</p>		e			

	Extremely useful	Very useful	Moderately useful	Slightly useful	Not at all useful
<p>Flood Watch</p>  <p>The map displays a Flood Watch for the Baltimore/Washington area, covering parts of Maryland and Virginia. The watch area is highlighted in blue and includes cities such as Elton, Chestertown, Denton, Cambridge, Salisbury, Ocean City, Pocomoke City, Lexington Park, Parris, and Edgewater. The map also shows major roads and the Chesapeake Bay area.</p>			e		
<p>Flood infographics</p>  <p>The first infographic, titled 'Flash Flood EMERGENCY', describes it as an 'ISSUED FOR...' situation where 'Exceedingly rare situations when a severe threat to human life and catastrophic damage from a flash flood is happening or will happen soon.' It includes a warning icon and text: 'This is a life-threatening situation! Do not attempt to travel unless you are fleeing an area subject to flooding or under an evacuation order.'</p> <p>The second infographic, titled 'Flash Flood WARNING', is 'ISSUED WHEN...' 'Dangerous flash flooding is happening or will happen soon. Some roads will be flooded. Homes and businesses may flood.' It includes a warning icon and text: 'Move to higher ground. Never drive through flooded roads.'</p>		e			
<p>Threat Summary</p> <p>MD Threat Summary</p> <p>Flash Flooding & Isolated Damaging Wind Gusts</p> <ul style="list-style-type: none"> • Strong, slow-moving thunderstorms likely will cause scattered instances flooding or flash flooding in Maryland later today between 2-11pm. <ul style="list-style-type: none"> ◦ Exact locations won't be known until storms form and any needed warnings are issued, but some spots could see significant flash flooding. ◦ Rainfall rates under the stronger storms will likely reach 3-4" in an hour. <ul style="list-style-type: none"> ■ That would be more than enough to cause Flash Flooding, especially if it hit the urban area or flash flood prone communities. • Isolated damaging wind gusts of 60 mph are also possible between 3-8pm. • Monitor NWS Watches & Warnings. Be ready to seek higher ground quickly, especially if you are in a flood prone area. 			e		

7. What changes might you recommend for any of the products shown?

Universal Caution colors
red, orange, yellow etc

8. Which media would you use to find NWS information about the risk of flooding near you? Please circle all that apply:

Facebook Twitter Internet Other: _____

9. Which digital platform are you most likely to use to access NWS resources? Circle one.

Smartphone Tablet Laptop Desktop Other: _____

10. Was anything in the session confusing? Yes No

If Yes, please explain:

11. What improvements could be made in the format or content of this session?

I enjoyed the content and don't
have any more to add

12. Additional comments:

Thank you for participating!

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The information was clearly presented.	✓				
I felt comfortable voicing my opinion.	✓				
I know more about the National Weather Service (NWS) resources.		✓			
I feel I could use NWS resources to judge my risk in an extreme weather event.		✓			

2. What are the biggest barriers you face in using NWS flood forecast and warning products? Some examples to consider are lack of computer or phone, lack of internet access, language barriers, NWS products too difficult to understand, or other factors.

Now that I know where to go to get the information, no barrier

3. Our goal today was to gather feedback to improve NWS flood forecast and warning tools. Beyond the questions asked today, what else would be important to know about how you gather/would use NWS information about extreme weather risks and your intended actions?

Exactly where to find these "products"
 what is the website?

4. After attending today's session, how likely are you to:

Please check ONE box for each statement.

	Very Likely	Somewhat Likely	Neither likely nor unlikely	Somewhat Unlikely	Unlikely
Create or revise plans to deal with extreme weather events using NWS products.		✓			
Share what I learned about NWS products today with others.		✓			
Seek NWS information about extreme weather risks.	✓				
Use NWS products and information in your decision-making	✓				

5. Do you prefer text-based or graphical/visual NWS products in trying to understand your level of risk from flooding? Circle one.

Text

Graphics


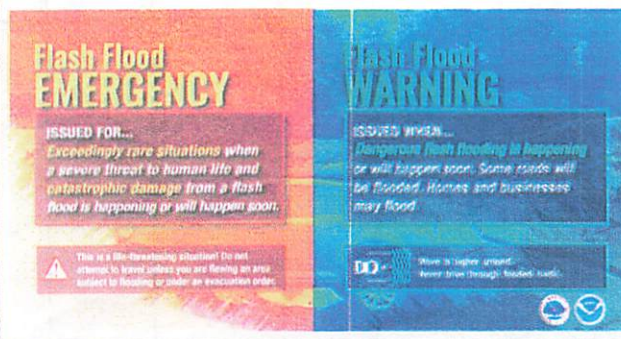
Combined text and graphics

Please explain.

Graphics necessary for those who can't comprehend the text

6. Please rate the weather products discussed today based on their usefulness to you in assessing your flood situation.

	Extremely useful	Very useful	Moderately useful	Slightly useful	Not at all useful
<p>Threat Overview</p> <p>MD Threat Overview</p> <p>Flash Flooding & Isolated Damaging Wind Gusts</p> <p>Baltimore/Washington <small>Weather Forecast Office</small></p> <ul style="list-style-type: none"> Strong, slow-moving thunderstorms likely will cause scattered instances flooding or flash flooding in Maryland later today between 2-11pm. <ul style="list-style-type: none"> Exact locations won't be known until storms form and any needed warnings are issued, but some spots could see significant flash flooding. Rainfall rates under the stronger storms will likely reach 3-4" in an hour. <ul style="list-style-type: none"> That would be more than enough to cause Flash Flooding, especially if it hits the urban area or flash flood prone communities. Isolated damaging wind gusts of 60 mph are also possible between 3-8pm. 	✓				
<p>Excessive Rainfall Outlook</p> <p>Probability of excessive rainfall leading to rapid onset flooding:</p> <ul style="list-style-type: none"> Flash Risk - At least 20% Moderate Risk - At least 60% Slight Risk - At least 15% Excessive Risk - At least 10% <p>* 10 mph 25 miles of a storm may experience the above flooding rate at any given time.</p>	✓				
<p>Most-likely Rainfall</p> <p>Baltimore/Washington <small>Weather Forecast Office</small></p> <p>August 07, 2022, 8:00 AM EDT</p> <p>0.49" 1.00" 0.44" 0.11" 0.25" 0.62" 0.66" 0.66" 1.39" 0.63" 0.67" 0.45" 0.4" 0.36" 0.4" 0.4"</p>			✓		

	Extremely useful	Very useful	Moderately useful	Slightly useful	Not at all useful
<p>Flood Watch</p> 		✓			
<p>Flood infographics</p> 		✓			
<p>Threat Summary</p> <p>MD Threat Summary</p> <p>Flash Flooding & Isolated Damaging Wind Gusts</p> <p>Baltimore/Washington WEATHER FORECAST OFFICE</p> <ul style="list-style-type: none"> • Strong, slow-moving thunderstorms likely will cause scattered instances flooding or flash flooding in Maryland later today between 2-4 pm. <ul style="list-style-type: none"> Exact locations won't be known until storms form and any needed warnings are issued, but some spots could see significant flash flooding. Rainfall rates under the stronger storms will likely reach 3-4" in an hour. <ul style="list-style-type: none"> That would be more than enough to cause Flash Flooding, especially if it hit the urban area or flash flood prone communities. • Isolated damaging wind gusts of 60 mph are also possible between 3-8pm. • Monitor NWS Watches & Warnings. Be ready to seek higher ground quickly, especially if you are in a flood prone area. 		✓			

7. What changes might you recommend for any of the products shown?

Change color scheme, red and pink too close on map

8. Which media would you use to find NWS information about the risk of flooding near you? Please circle all that apply:

Facebook

Twitter

Internet

Other: _____

9. Which digital platform are you most likely to use to access NWS resources? Circle one.

Smartphone

Tablet

Laptop

Desktop

Other: _____

10. Was anything in the session confusing? Yes

No

If Yes, please explain:

11. What improvements could be made in the format or content of this session?

None, ~~over~~ material/slides were sufficient.

12. Additional comments:

This survey is too long

Thank you for participating!

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I felt comfortable voicing my opinion.	✓				
I know more about the National Weather Service (NWS) resources.	✓				
I feel I could use NWS resources to judge my risk in an extreme weather event.	✓				

2. What are the biggest barriers you face in using NWS flood forecast and warning products? Some examples to consider are lack of computer or phone, lack of internet access, language barriers, NWS products too difficult to understand, or other factors.

3. Our goal today was to gather feedback to improve NWS flood forecast and warning tools. Beyond the questions asked today, what else would be important to know about how you gather/would use NWS information about extreme weather risks and your intended actions?

I utilize phone alerts, Citizen App
etc. to gauge weather

4. After attending today's session, how likely are you to:

Please check ONE box for each statement.

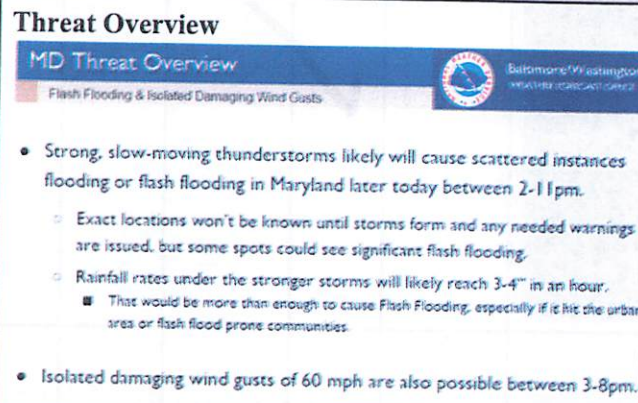
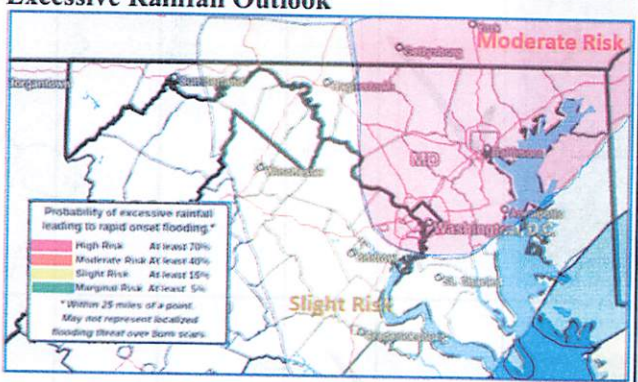
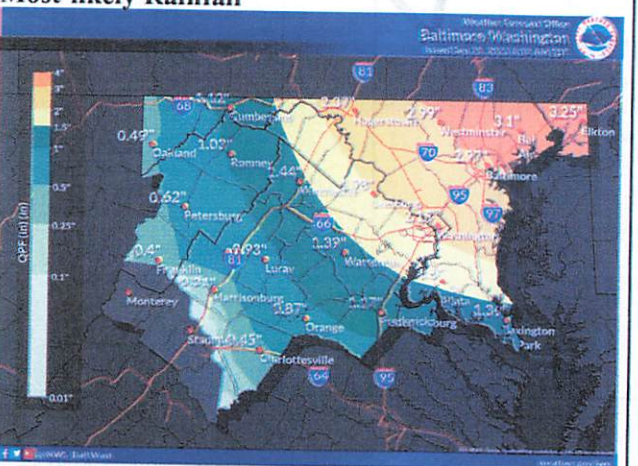
	Very Likely	Somewhat Likely	Neither likely nor unlikely	Somewhat Unlikely	Unlikely
Create or revise plans to deal with extreme weather events using NWS products.	✓				
Share what I learned about NWS products today with others.	✓				
Seek NWS information about extreme weather risks.	✓				
Use NWS products and information in your decision-making	✓				



5. Do you prefer text-based or graphical/visual NWS products in trying to understand your level of risk from flooding? Circle one.

Text
 Graphics
 Combined text and graphics

Please explain. _____

6. Please rate the weather products discussed today based on their usefulness to you in assessing your flood situation.

	Extremely useful	Very useful	Moderately useful	Slightly useful	Not at all useful
<p>Threat Overview</p>  <p>MD Threat Overview Flash Flooding & Isolated Damaging Wind Gusts</p> <ul style="list-style-type: none"> Strong, slow-moving thunderstorms likely will cause scattered instances flooding or flash flooding in Maryland later today between 2-11pm. <ul style="list-style-type: none"> Exact locations won't be known until storms form and any needed warnings are issued, but some spots could see significant flash flooding. Rainfall rates under the stronger storms will likely reach 3-4" in an hour. <ul style="list-style-type: none"> That would be more than enough to cause Flash Flooding, especially if it hit the urban area or flash flood prone communities. Isolated damaging wind gusts of 60 mph are also possible between 3-8pm. 		✓			
<p>Excessive Rainfall Outlook</p>  <p>Probability of excessive rainfall leading to rapid onset flooding*</p> <ul style="list-style-type: none"> High Risk At least 70% Moderate Risk At least 40% Slight Risk At least 15% Marginal Risk At least 5% <p>* Within 25 miles of a point. May not represent localized flooding threat over some areas.</p>		✓			
<p>Most-likely Rainfall</p>  <p>Weather Forecast Office Baltimore/Washington 12:58 PM EDT 07/22/2024 (MST-04:00)</p> <p>Map showing rainfall amounts (inches) across Maryland:</p> <ul style="list-style-type: none"> 0.49", 0.62", 0.74", 0.86", 0.98", 1.10", 1.22", 1.34", 1.46", 1.58", 1.70", 1.82", 1.94", 2.06", 2.18", 2.30", 2.42", 2.54", 2.66", 2.78", 2.90", 3.02", 3.14", 3.26", 3.38", 3.50", 3.62", 3.74", 3.86", 3.98", 4.10", 4.22", 4.34", 4.46", 4.58", 4.70", 4.82", 4.94", 5.06", 5.18", 5.30", 5.42", 5.54", 5.66", 5.78", 5.90", 6.02", 6.14", 6.26", 6.38", 6.50", 6.62", 6.74", 6.86", 6.98", 7.10", 7.22", 7.34", 7.46", 7.58", 7.70", 7.82", 7.94", 8.06", 8.18", 8.30", 8.42", 8.54", 8.66", 8.78", 8.90", 9.02", 9.14", 9.26", 9.38", 9.50", 9.62", 9.74", 9.86", 9.98 		✓			

	Extremely useful	Very useful	Moderately useful	Slightly useful	Not at all useful
<p>Flood Watch</p> 		✓			
<p>Flood infographics</p> 		✓			
<p>Threat Summary</p> <p>MD Threat Summary</p> <p>Flash Flooding & Isolated Damaging Wind Gusts</p> <ul style="list-style-type: none"> • Strong, slow-moving thunderstorms likely will cause scattered instances flooding or flash flooding in Maryland later today between 2-11pm. <ul style="list-style-type: none"> ◦ Exact locations won't be known until storms form and any needed warnings are issued, but some spots could see significant flash flooding. ◦ Rainfall rates under the stronger storms will likely reach 3-4" in an hour. <ul style="list-style-type: none"> ■ That would be more than enough to cause Flash Flooding, especially if it hit the urban area or flash flood prone communities. • Isolated damaging wind gusts of 60 mph are also possible between 3-8pm. • Monitor NWS Watches & Warnings. Be ready to seek higher ground quickly, especially if you are in a flood prone area. 		✓			

7. What changes might you recommend for any of the products shown?

Use primary colors - NO PINK

8. Which media would you use to find NWS information about the risk of flooding near you? Please circle all that apply:

Facebook Twitter Internet Other: Weather station online

9. Which digital platform are you most likely to use to access NWS resources? Circle one.

Smartphone Tablet Laptop Desktop Other: _____

10. Was anything in the session confusing? Yes No

If Yes, please explain:

The use of the word "Products"

11. What improvements could be made in the format or content of this session?

Nothing

12. Additional comments:

Thank you for participating!

Survey Questions - Post-Focus Group Session Survey

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1. Please rate your agreement with the following statements about the forum.

Please check ONE box for each statement.

	Strongly Agree	Agree	Neither Agree nor Disagree	Disagree	Strongly Disagree
The information was clearly presented.	P				
I felt comfortable voicing my opinion.	P				
I know more about the National Weather Service (NWS) resources.	P				
I feel I could use NWS resources to judge my risk in an extreme weather event.	P				

2. What are the biggest barriers you face in using NWS flood forecast and warning products? Some examples to consider are lack of computer or phone, lack of internet access, language barriers, NWS products too difficult to understand, or other factors.

Being unaware of where to get the information

3. Our goal today was to gather feedback to improve NWS flood forecast and warning tools. Beyond the questions asked today, what else would be important to know about how you gather/would use NWS information about extreme weather risks and your intended actions?

My job provides weather advisories as it is
vital for power restoration efforts/prevention

4. After attending today's session, how likely are you to:

Please check ONE box for each statement.

	Very Likely	Somewhat Likely	Neither likely nor unlikely	Somewhat Unlikely	Unlikely
Create or revise plans to deal with extreme weather events using NWS products.	P				
Share what I learned about NWS products today with others.	P				
Seek NWS information about extreme weather risks.	P				
Use NWS products and information in your decision-making		P			

5. Do you prefer text-based or graphical/visual NWS products in trying to understand your level of risk from flooding? Circle one.


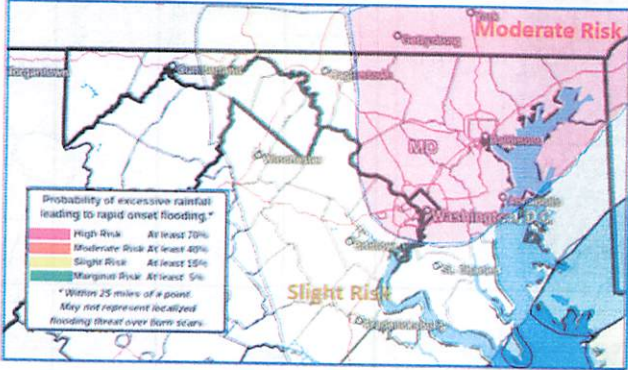

Text

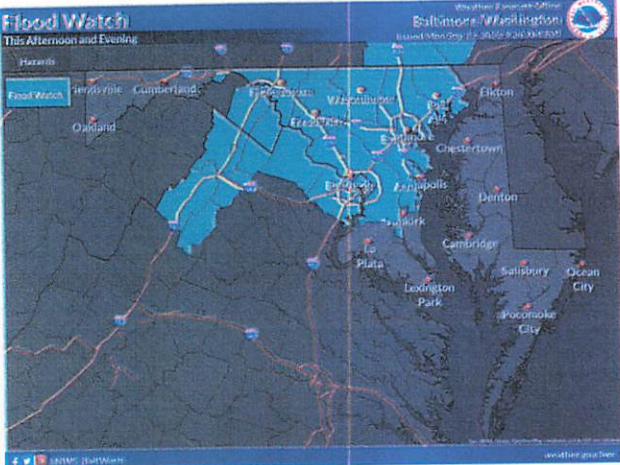

Graphics

Combined text and graphics

Please explain. _____

6. Please rate the weather products discussed today based on their usefulness to you in assessing your flood situation.

	Extremely useful	Very useful	Moderately useful	Slightly useful	Not at all useful
<p>Threat Overview</p>  <ul style="list-style-type: none"> Strong, slow-moving thunderstorms likely will cause scattered instances flooding or flash flooding in Maryland later today between 2-11pm. <ul style="list-style-type: none"> Exact locations won't be known until storms form and any needed warnings are issued, but some spots could see significant flash flooding. Rainfall rates under the stronger storms will likely reach 3-4" in an hour. <ul style="list-style-type: none"> That would be more than enough to cause Flash Flooding, especially if it hit the urban area or flash flood prone communities. Isolated damaging wind gusts of 60 mph are also possible between 3-8pm. 		P			
<p>Excessive Rainfall Outlook</p> 		P			
<p>Most-likely Rainfall</p> 		P			

	Extremely useful	Very useful	Moderately useful	Slightly useful	Not at all useful
<p>Flood Watch</p>  <p>The image is a map titled 'Flood Watch' from the Baltimore/Washington Weather Forecast Office. It shows a map of the region with several areas highlighted in blue, indicating flood watch zones. The map includes labels for various cities and towns such as Elkton, Denton, Cambridge, Salisbury, Ocean City, Pocomoke City, Lexington Park, and Waldorf. The text on the map indicates the watch is for 'This Afternoon and Evening'.</p>	P				
<p>Flood infographics</p>  <p>The image contains two side-by-side infographics. The left one is titled 'Flash Flood EMERGENCY' and describes it as an 'Exceedingly rare situation when a severe threat to human life and catastrophic damage from a flash flood is happening or will happen soon.' The right one is titled 'Flash Flood WARNING' and describes it as 'Dangerous flash flooding is happening or will happen soon. Some roads will be flooded. Homes and businesses may flood.' Both include safety instructions and logos for the National Weather Service.</p>	P				
<p>Threat Summary</p> <p>MD Threat Summary</p> <p>Flash Flooding & Isolated Damaging Wind Gusts</p> <ul style="list-style-type: none"> • Strong, slow-moving thunderstorms likely will cause scattered instances flooding or flash flooding in Maryland later today between 2-11pm. <ul style="list-style-type: none"> ◦ Exact locations won't be known until storms form and any needed warnings are issued, but some spots could see significant flash flooding. ◦ Rainfall rates under the stronger storms will likely reach 3-4" in an hour. <ul style="list-style-type: none"> ■ That would be more than enough to cause Flash Flooding, especially if it hit the urban area or flash flood prone communities. • Isolated damaging wind gusts of 60 mph are also possible between 3-8pm. • Monitor NWS Watches & Warnings. Be ready to seek higher ground quickly, especially if you are in a flood prone area. 	P				

7. What changes might you recommend for any of the products shown?

Better description of potential weather duration

8. Which media would you use to find NWS information about the risk of flooding near you? Please circle all that apply:

Facebook Twitter Internet Other: _____

9. Which digital platform are you most likely to use to access NWS resources? Circle one.

Smartphone Tablet Laptop Desktop Other: _____

10. Was anything in the session confusing? Yes No

If Yes, please explain:

11. What improvements could be made in the format or content of this session?

The format was very encouraging for discussion

12. Additional comments: none

Thank you for participating!

Survey Questions - Post-Focus Group Session Survey

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1. Please rate your agreement with the following statements about the forum.

Please check ONE box for each statement.

	Strongly Agree	Agree	Neither Agree nor Disagree	Disagree	Strongly Disagree
The information was clearly presented.	✓				
I felt comfortable voicing my opinion.	✓				
I know more about the National Weather Service (NWS) resources.	✓				
I feel I could use NWS resources to judge my risk in an extreme weather event.	✓				

2. What are the biggest barriers you face in using NWS flood forecast and warning products? Some examples to consider are lack of computer or phone, lack of internet access, language barriers, NWS products too difficult to understand, or other factors.

The barriers are not enough information to know what's happening in the 21229 areas?

3. Our goal today was to gather feedback to improve NWS flood forecast and warning tools. Beyond the questions asked today, what else would be important to know about how you gather/would use NWS information about extreme weather risks and your intended actions?

More Information about the 2/229 areas.

4. After attending today's session, how likely are you to:

Please check ONE box for each statement.

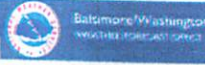
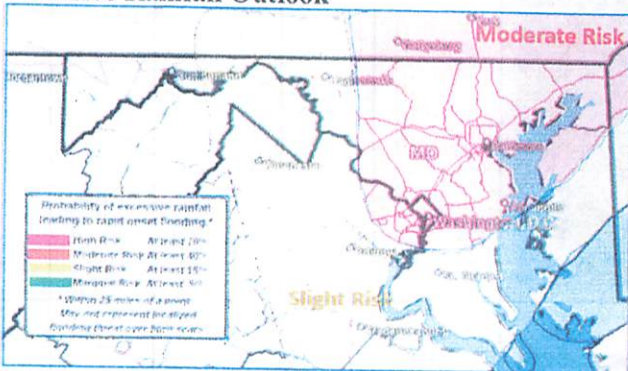

	Very Likely	Somewhat Likely	Neither likely nor unlikely	Somewhat Unlikely	Unlikely
Create or revise plans to deal with extreme weather events using NWS products.	✓				
Share what I learned about NWS products today with others.	✓				
Seek NWS information about extreme weather risks.	✓				
Use NWS products and information in your decision-making	✓				

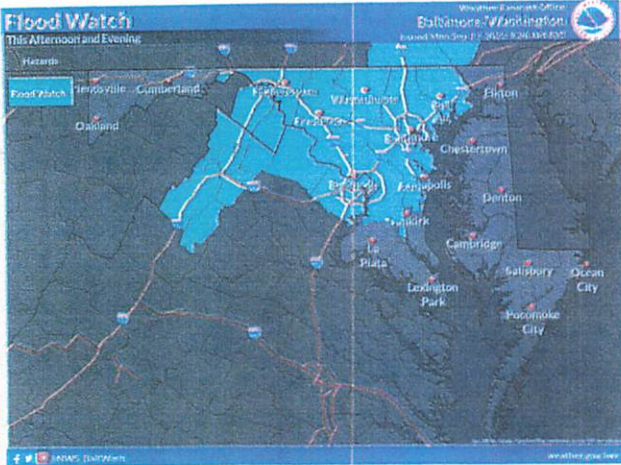

5. Do you prefer text-based or graphical/visual NWS products in trying to understand your level of risk from flooding? Circle one.

Text
 Graphics
 Combined text and graphics

Please explain. All of the above

6. Please rate the weather products discussed today based on their usefulness to you in assessing your flood situation.

	Extremely useful	Very useful	Moderately useful	Slightly useful	Not at all useful
<p>Threat Overview</p> <p>MD Threat Overview</p> <p>Flash Flooding & Isolated Damaging Wind Gusts</p>  <ul style="list-style-type: none"> Strong, slow-moving thunderstorms likely will cause scattered instances of flooding or flash flooding in Maryland later today between 2-11pm. <ul style="list-style-type: none"> Exact locations won't be known until storms form and any needed warnings are issued, but some spots could see significant flash flooding. Rainfall rates under the stronger storms will likely reach 3-4" in an hour. <ul style="list-style-type: none"> That would be more than enough to cause flash flooding, especially if it hits the urban area or flash flood prone communities. Isolated damaging wind gusts of 60 mph are also possible between 3-8pm. 			✓		
<p>Excessive Rainfall Outlook</p> 				✓	
<p>Most-likely Rainfall</p> 			✓		

	Extremely useful	Very useful	Moderately useful	Slightly useful	Not at all useful
<p>Flood Watch</p> 				✓	
<p>Flood infographics</p> 				✓	
<p>Threat Summary</p> <p>MD Threat Summary</p> <p>Flash Flooding & Isolated Damaging Wind Gusts</p> <ul style="list-style-type: none"> Strong, slow-moving thunderstorms likely will cause scattered instances flooding or flash flooding in Maryland later today between 2-11 pm. <ul style="list-style-type: none"> Exact locations won't be known until storms form and any needed warnings are issued, but some spots could see significant flash flooding. Rainfall rates under the stronger storms will likely reach 3-4" in an hour. <ul style="list-style-type: none"> That would be more than enough to cause Flash Flooding, especially if it hit the urban area or flash flood prone communities. Isolated damaging wind gusts of 60 mph are also possible between 3-8pm. Monitor NWS Watches & Warnings. Be ready to seek higher ground quickly, especially if you are in a flood prone area. 		✓			

7. What changes might you recommend for any of the products shown?

Put in more for 2/229 area

8. Which media would you use to find NWS information about the risk of flooding near you? Please circle all that apply:

Facebook

Twitter

Internet

Other:

iPhone
Emails

9. Which digital platform are you most likely to use to access NWS resources? Circle one.

Smartphone

Tablet

Laptop

Desktop

Other: _____

10. Was anything in the session confusing? Yes

No

If Yes, please explain:

11. What improvements could be made in the format or content of this session?

More for 2/229

12. Additional comments:

Thank you for participating!

Survey Questions - Post-Focus Group Session Survey

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1. Please rate your agreement with the following statements about the forum.

Please check ONE box for each statement.

	Strongly Agree	Agree ✓	Neither Agree nor Disagree	Disagree	Strongly Disagree
The information was clearly presented.	✓				
I felt comfortable voicing my opinion.	✓				
I know more about the National Weather Service (NWS) resources.	✓				
I feel I could use NWS resources to judge my risk in an extreme weather event.	✓				

2. What are the biggest barriers you face in using NWS flood forecast and warning products? Some examples to consider are lack of computer or phone, lack of internet access, language barriers, NWS products too difficult to understand, or other factors.

 NONE

3. Our goal today was to gather feedback to improve NWS flood forecast and warning tools. Beyond the questions asked today, what else would be important to know about how you gather/would use NWS information about extreme weather risks and your intended actions?

4. After attending today's session, how likely are you to:

Please check ONE box for each statement.

	Very Likely	Somewhat Likely	Neither likely nor unlikely	Somewhat Unlikely	Unlikely
Create or revise plans to deal with extreme weather events using NWS products.	✓				
Share what I learned about NWS products today with others.	✓				
Seek NWS information about extreme weather risks.	✓				
Use NWS products and information in your decision-making	✓				

5. Do you prefer text-based or graphical/visual NWS products in trying to understand your level of risk from flooding? Circle one.


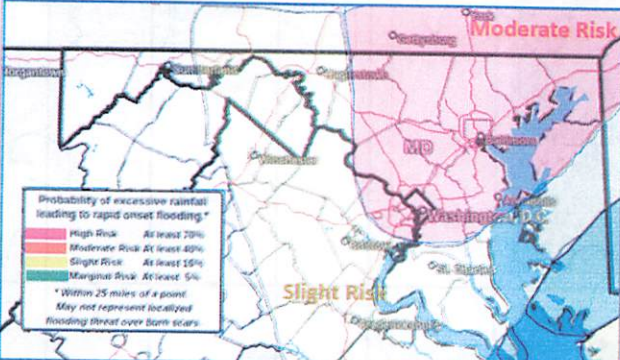

Text

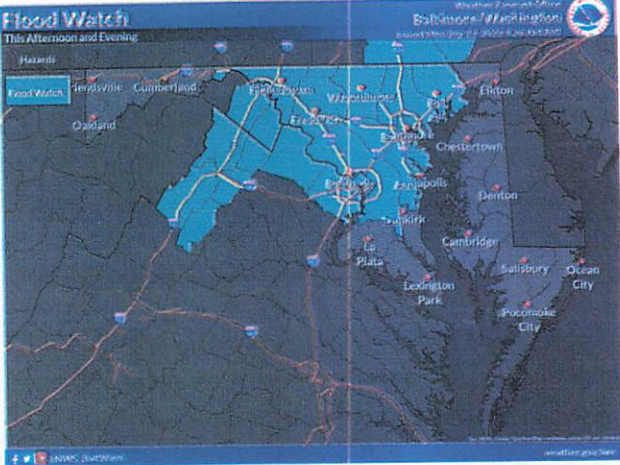

Graphics

Combined text and graphics

Please explain. _____

6. Please rate the weather products discussed today based on their usefulness to you in assessing your flood situation.

	Extremely useful	Very useful	Moderately useful	Slightly useful	Not at all useful
<p>Threat Overview</p>  <p>Flash Flooding & Isolated Damaging Wind Gusts</p> <ul style="list-style-type: none"> Strong, slow-moving thunderstorms likely will cause scattered instances flooding or flash flooding in Maryland later today between 2-11pm. <ul style="list-style-type: none"> Exact locations won't be known until storms form and any needed warnings are issued, but some spots could see significant flash flooding. Rainfall rates under the stronger storms will likely reach 3-4" in an hour. <ul style="list-style-type: none"> That would be more than enough to cause Flash Flooding, especially if it hit the urban area or flash flood prone communities. Isolated damaging wind gusts of 60 mph are also possible between 3-8pm. 	✓				
<p>Excessive Rainfall Outlook</p>  <p>Probability of excessive rainfall leading to rapid onset flooding*</p> <ul style="list-style-type: none"> High Risk At least 20% Moderate Risk At least 40% Slight Risk At least 15% Marginal Risk At least 5% <p>* Within 25 miles of a point May not represent localized flooding threat over barn scars.</p>	✓				
<p>Most-likely Rainfall</p>  <p>Weather Services Office Baltimore/Washington Issues/Service: 06/28/2024 11:01 AM EDT</p> <p>CPRF (in) (in)</p> <p>0.01" 0.1" 0.25" 0.5" 1" 1.5" 2" 2.5" 3" 3.5" 4"</p>	✓				

	Extremely useful	Very useful	Moderately useful	Slightly useful	Not at all useful
<p>Flood Watch</p> 	✓				
<p>Flood infographics</p> 	✓				
<p>Threat Summary</p> <p>MD Threat Summary</p> <p>Flash Flooding & Isolated Damaging Wind Gusts</p> <ul style="list-style-type: none"> • Strong, slow-moving thunderstorms likely will cause scattered instances flooding or flash flooding in Maryland later today between 2-11pm. <ul style="list-style-type: none"> ◦ Exact locations won't be known until storms form and any needed warnings are issued, but some spots could see significant flash flooding. ◦ Rainfall rates under the stronger storms will likely reach 3-4" in an hour. <ul style="list-style-type: none"> ■ That would be more than enough to cause Flash Flooding, especially if it hit the urban area or flash flood prone communities. • Isolated damaging wind gusts of 60 mph are also possible between 3-8pm. • Monitor NWS Watches & Warnings. Be ready to seek higher ground quickly, especially if you are in a flood prone area. 	✓				

7. What changes might you recommend for any of the products shown?

NONE

8. Which media would you use to find NWS information about the risk of flooding near you? Please circle all that apply:

Facebook Twitter Internet Other: _____

9. Which digital platform are you most likely to use to access NWS resources? Circle one.

Smartphone Tablet Laptop Desktop Other: _____

10. Was anything in the session confusing? Yes No

If Yes, please explain:

11. What improvements could be made in the format or content of this session?

used them

12. Additional comments:

NONE

Thank you for participating!

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The information was clearly presented.	✓				
I felt comfortable voicing my opinion.	✓				
I know more about the National Weather Service (NWS) resources.	✓				
I feel I could use NWS resources to judge my risk in an extreme weather event.		✓			

2. What are the biggest barriers you face in using NWS flood forecast and warning products? Some examples to consider are lack of computer or phone, lack of internet access, language barriers, NWS products too difficult to understand, or other factors.

None

3. Our goal today was to gather feedback to improve NWS flood forecast and warning tools. Beyond the questions asked today, what else would be important to know about how you gather/would use NWS information about extreme weather risks and your intended actions?

4. After attending today's session, how likely are you to:

Please check ONE box for each statement.

	Very Likely	Somewhat Likely	Neither likely nor unlikely	Somewhat Unlikely	Unlikely
Create or revise plans to deal with extreme weather events using NWS products.		✓			
Share what I learned about NWS products today with others.	✓				
Seek NWS information about extreme weather risks.	✓				
Use NWS products and information in your decision-making	✓				

5. Do you prefer text-based or graphical/visual NWS products in trying to understand your level of risk from flooding? Circle one.

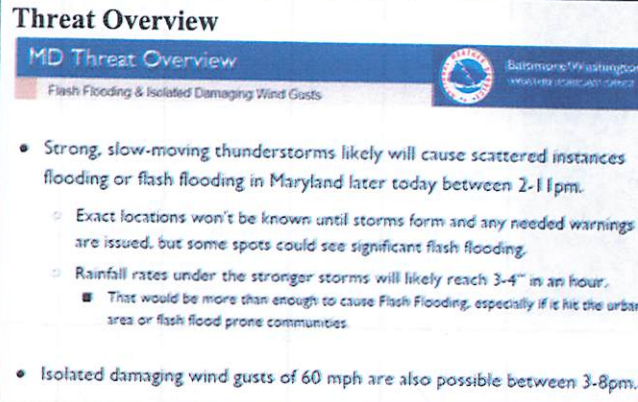
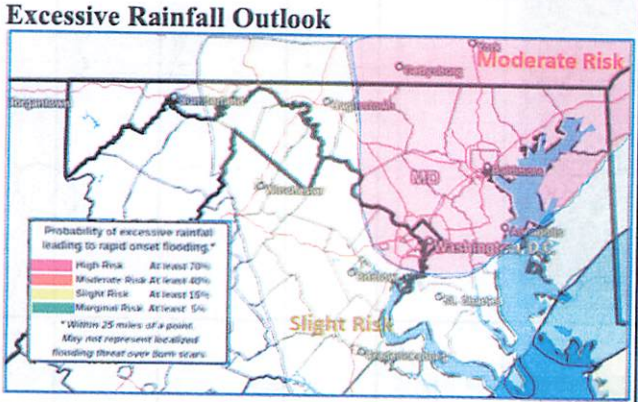
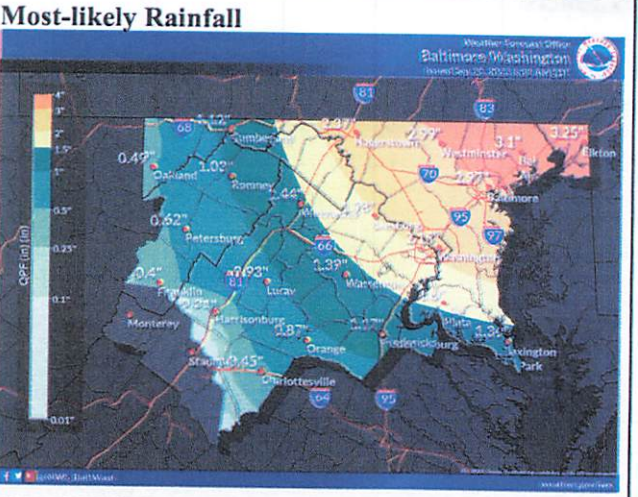
Text

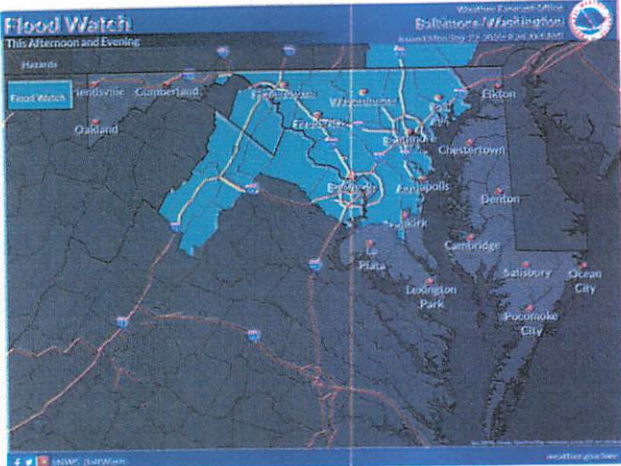
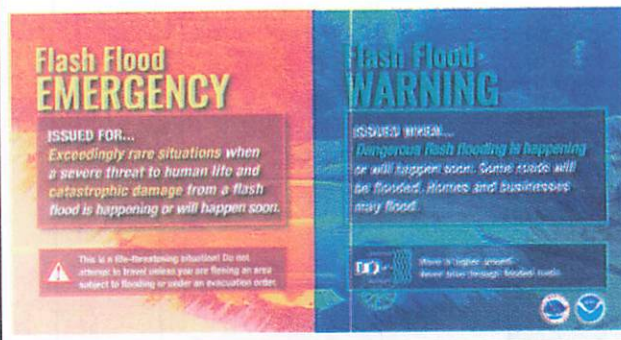
Graphics

Combined text and graphics

Please explain. That way I get a better understanding

6. Please rate the weather products discussed today based on their usefulness to you in assessing your flood situation.

	Extremely useful	Very useful	Moderately useful	Slightly useful	Not at all useful
<p>Threat Overview</p> 	✓				
<p>Excessive Rainfall Outlook</p> 				✓	
<p>Most-likely Rainfall</p> 			✓		

	Extremely useful	Very useful	Moderately useful	Slightly useful	Not at all useful
<p>Flood Watch</p>  <p>The image shows a map titled 'Flood Watch' for the Baltimore-Washington area. It highlights several regions in blue, indicating areas under flood watch. The map includes labels for various locations such as Frederick, Gaithersburg, Rockville, Silver Spring, and Washington, D.C. A legend in the top left corner identifies the blue shaded areas as 'Flood Watch' and 'Hazardous Areas'. The map also shows major roads and geographical features.</p>					✓
<p>Flood infographics</p>  <p>The image contains two infographics. The left one is titled 'Flash Flood EMERGENCY' and describes it as an 'ISSUED FOR...' situation where there is a 'severe threat to human life and catastrophic damage from a flash flood'. It includes a warning icon and text: 'This is a life-threatening situation! Do not attempt to travel unless you are fleeing an area subject to flooding or under an evacuation order.' The right infographic is titled 'Flash Flood WARNING' and describes it as 'ISSUED WHEN...' 'Dangerous flash flooding is happening or will happen soon'. It includes a warning icon and text: 'Where is higher ground? Never drive through flooded roads.'</p>	✓				
<p>Threat Summary</p> <p>MD Threat Summary</p> <p>Flash Flooding & Isolated Damaging Wind Gusts</p> <ul style="list-style-type: none"> • Strong, slow-moving thunderstorms likely will cause scattered instances flooding or flash flooding in Maryland later today between 2-11pm. <ul style="list-style-type: none"> ◦ Exact locations won't be known until storms form and any needed warnings are issued, but some spots could see significant flash flooding. ◦ Rainfall rates under the stronger storms will likely reach 3-4" in an hour. <ul style="list-style-type: none"> ■ That would be more than enough to cause Flash Flooding, especially if it hit the urban area or flash flood prone communities. • Isolated damaging wind gusts of 60 mph are also possible between 3-8pm. • Monitor NWS Watches & Warnings. Be ready to seek higher ground quickly, especially if you are in a flood prone area. 	✓				

7. What changes might you recommend for any of the products shown?

8. Which media would you use to find NWS information about the risk of flooding near you? Please circle all that apply:

Facebook Twitter Internet Other: _____

9. Which digital platform are you most likely to use to access NWS resources? Circle one.

Smartphone Tablet Laptop Desktop Other: _____

10. Was anything in the session confusing? Yes No

If Yes, please explain:

11. What improvements could be made in the format or content of this session?

None

12. Additional comments:

Very inform

Thank you for participating!

Survey Questions - Post-Focus Group Session Survey

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1. Please rate your agreement with the following statements about the forum.

Please check ONE box for each statement.

	Strongly Agree	Agree	Neither Agree nor Disagree	Disagree	Strongly Disagree
The information was clearly presented.	✓				
I felt comfortable voicing my opinion.					✓
I know more about the National Weather Service (NWS) resources.	✓				
I feel I could use NWS resources to judge my risk in an extreme weather event.	✓				

2. What are the biggest barriers you face in using NWS flood forecast and warning products? Some examples to consider are lack of computer or phone, lack of internet access, language barriers, NWS products too difficult to understand, or other factors.

Not understanding what all the information mean.

3. Our goal today was to gather feedback to improve NWS flood forecast and warning tools. Beyond the questions asked today, what else would be important to know about how you gather/would use NWS information about extreme weather risks and your intended actions?

4. After attending today's session, how likely are you to:

Please check ONE box for each statement.

	Very Likely	Somewhat Likely	Neither likely nor unlikely	Somewhat Unlikely	Unlikely
Create or revise plans to deal with extreme weather events using NWS products.	✓				
Share what I learned about NWS products today with others.	✓				
Seek NWS information about extreme weather risks.	✓				
Use NWS products and information in your decision-making	✓				

5. Do you prefer text-based or graphical/visual NWS products in trying to understand your level of risk from flooding? Circle one.

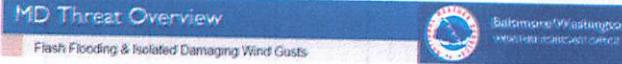


Text

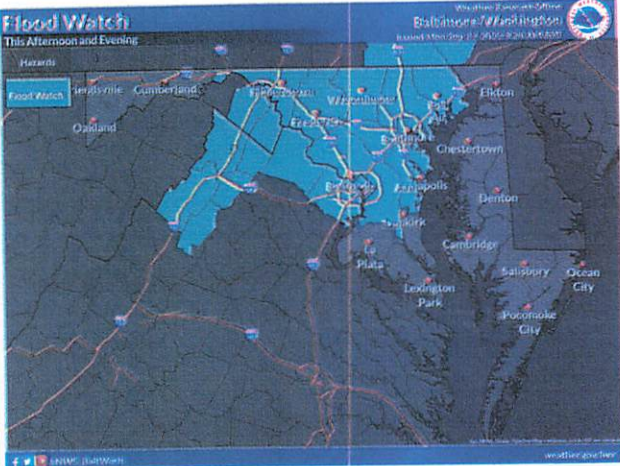

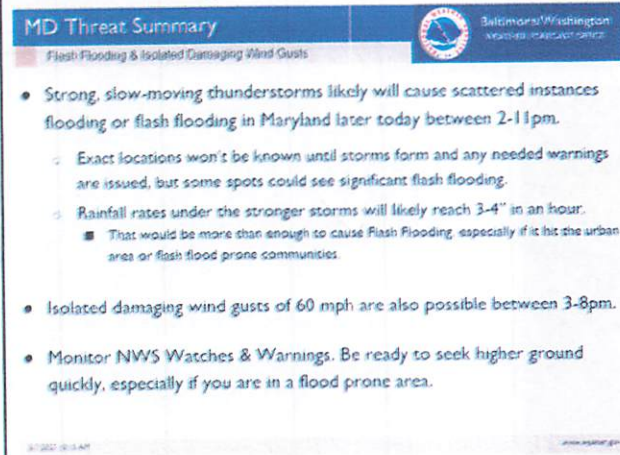
Graphics

Combined text and graphics

Please explain. _____

6. Please rate the weather products discussed today based on their usefulness to you in assessing your flood situation.

	Extremely useful	Very useful	Moderately useful	Slightly useful	Not at all useful
<p>Threat Overview</p>  <p>Flash Flooding & Isolated Damaging Wind Gusts</p> <ul style="list-style-type: none"> Strong, slow-moving thunderstorms likely will cause scattered instances flooding or flash flooding in Maryland later today between 2-11pm. <ul style="list-style-type: none"> Exact locations won't be known until storms form and any needed warnings are issued, but some spots could see significant flash flooding. Rainfall rates under the stronger storms will likely reach 3-4" in an hour. <ul style="list-style-type: none"> That would be more than enough to cause Flash Flooding, especially if it hit the urban area or flash flood prone communities. Isolated damaging wind gusts of 60 mph are also possible between 3-8pm. 	✓				
<p>Excessive Rainfall Outlook</p>  <p>Probability of excessive rainfall leading to rapid onset flooding*</p> <ul style="list-style-type: none"> High Risk At least 70% Moderate Risk At least 40% Slight Risk At least 15% Marginal Risk At least 5% <p>* Within 25 miles of a point. May not represent localized flooding threat over burn scars.</p>				✓	
<p>Most-likely Rainfall</p>  <p>Baltimore/Washington Weather Forecast Office (Valid Sep 05 - 05:00 EDT 09/05/23)</p> <p>CPF (in) (in)</p> <p>0.01" 0.1" 0.25" 0.5" 1" 1.5" 2" 2.5" 3" 4"</p>	✓				

	Extremely useful	Very useful	Moderately useful	Slightly useful	Not at all useful
<p>Flood Watch</p> 		✓			
<p>Flood infographics</p> 		✓			
<p>Threat Summary</p> 		✓			

7. What changes might you recommend for any of the products shown?

making wordage more understanding.

8. Which media would you use to find NWS information about the risk of flooding near you? Please circle all that apply:

Facebook Twitter Internet Other: TV

9. Which digital platform are you most likely to use to access NWS resources? Circle one.

Smartphone Tablet Laptop Desktop Other: /

10. Was anything in the session confusing? Yes No

If Yes, please explain:

11. What improvements could be made in the format or content of this session?

NONE

12. Additional comments:

Thank you for participating!

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I feel I could use NWS resources to judge my risk in an extreme weather event.	✓				

2. What are the biggest barriers you face in using NWS flood forecast and warning products? Some examples to consider are lack of computer or phone, lack of internet access, language barriers, NWS products too difficult to understand, or other factors.

Baltimore is on the fall line, so we are on the cusp of two different forecasts

3. Our goal today was to gather feedback to improve NWS flood forecast and warning tools. Beyond the questions asked today, what else would be important to know about how you gather/would use NWS information about extreme weather risks and your intended actions?

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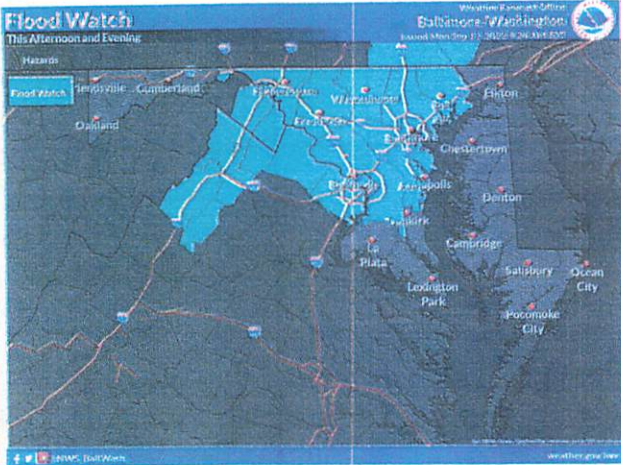

Graphics

Combined text and graphics

Please explain. _____

6. Please rate the weather products discussed today based on their usefulness to you in assessing your flood situation.

	Extremely useful	Very useful	Moderately useful	Slightly useful	Not at all useful
<p>Threat Overview</p> <p>MD Threat Overview</p> <p>Flash Flooding & Isolated Damaging Wind Gusts</p> <p>Baltimore/Washington WEATHER FORECAST OFFICE</p> <ul style="list-style-type: none"> Strong, slow-moving thunderstorms likely will cause scattered instances flooding or flash flooding in Maryland later today between 2-11pm. <ul style="list-style-type: none"> Exact locations won't be known until storms form and any needed warnings are issued, but some spots could see significant flash flooding. Rainfall rates under the stronger storms will likely reach 3-4" in an hour. <ul style="list-style-type: none"> That would be more than enough to cause Flash Flooding, especially if it hit the urban area or flash flood prone communities. Isolated damaging wind gusts of 60 mph are also possible between 3-8pm. 					
<p>Excessive Rainfall Outlook</p> <p>Probability of excessive rainfall leading to rapid onset flooding:</p> <ul style="list-style-type: none"> Flash Risk - At least 20" High Risk - At least 10" Slight Risk - At least 5" Marginal Risk - At least 3" <p>*Within 25 miles of a river, city, and population center, flooding may occur over 200 ft above.</p>					
<p>Most-likely Rainfall</p> <p>Baltimore/Washington WEATHER FORECAST OFFICE</p> <p>Map showing rainfall amounts (inches) across Maryland: 0.49, 1.02, 0.42, 0.4, 0.45, 0.45, 1.39, 1.87, 1.39, 4.34, 3.25, 3.1, 2.7, 2.5, 2.4, 2.3, 2.2, 2.1, 2.0, 1.9, 1.8, 1.7, 1.6, 1.5, 1.4, 1.3, 1.2, 1.1, 1.0, 0.9, 0.8, 0.7, 0.6, 0.5, 0.4, 0.3, 0.2, 0.1, 0.01.</p>					

	Extremely useful	Very useful	Moderately useful	Slightly useful	Not at all useful
<p>Flood Watch</p> 					
<p>Flood infographics</p> 					
<p>Threat Summary</p> <p>MD Threat Summary Flash Flooding & Isolated Damaging Wind Gusts</p> <ul style="list-style-type: none"> • Strong, slow-moving thunderstorms likely will cause scattered instances flooding or flash flooding in Maryland later today between 2-11pm. Exact locations won't be known until storms form and any needed warnings are issued, but some spots could see significant flash flooding. Rainfall rates under the stronger storms will likely reach 3-4" in an hour. <ul style="list-style-type: none"> ■ That would be more than enough to cause Flash Flooding, especially if it hit the urban area or flash flood prone communities. • Isolated damaging wind gusts of 60 mph are also possible between 3-8pm. • Monitor NWS Watches & Warnings. Be ready to seek higher ground quickly, especially if you are in a flood prone area. 					

OMB Control No. 0690-0030

Expiration Date: 07/31/2024

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